

AMENDMENTS TO THE CLAIMS

(IN FORMAT COMPLIANT WITH THE REVISED 37 CFR 1.121)

Please cancel ~~claim~~ claim 6 without prejudice. Please add new claims 21 and 22.

1. (CURRENTLY AMENDED) An apparatus ~~for processing a plurality of data streams~~ comprising:

5 a first at least one data modification circuit configured to generate a first output data stream in response to performing a first modification on at least one first image from a first one or more of said input data stream streams; and

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a composite circuit configured to generate a combined output data stream in response to performing a spatial combination of said first output data stream and remaining a second output data stream streams.

2. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said apparatus ~~comprises~~ forms a block modify and move engine.

3. (CURRENTLY AMENDED) The apparatus according to claim 1, ~~wherein said apparatus further comprises~~ comprising:

a second data modification circuit ~~for each of~~ configured
to generate said second output data stream ~~streams~~ in response to
5 performing a second modification on at least one second image from
a second input data stream.

4. (CURRENTLY AMENDED) The apparatus according to claim
1, wherein said first data modification circuit is further
configured to ~~permit conversion~~ convert an input format of said
first input data stream and an output format of said first output
5 data stream between a video data format and a graphics data format.

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5. (CURRENTLY AMENDED) The apparatus according to claim
1, wherein (i) said first output data ~~streams comprise~~ stream
comprises a plurality of video and pictures, (ii) said second
output data stream comprises a graphics data ~~streams~~ and (iii) said
5 spatial combination places said video pictures in front of said
graphics data.

6. (CURRENTLY CANCELLED)

7. (CURRENTLY AMENDED) The apparatus according to claim
1, wherein said ~~apparatus~~ first data modification circuit is
further configured to perform interleaving of color components in
each of said first images ~~data streams~~.

8. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~apparatus~~ first data modification circuit is further configured to perform separation of color components in each of said first images data stream.

9. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~apparatus~~ first data modification circuit is further configured to perform scaling on each of said first images.

10. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~apparatus~~ first data modification circuit is further configured to perform filtering on each of said first images.

11. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~apparatus is configured to perform~~ spatial combination is a bitwise logical operations operation on said first output data streams stream and said second output data stream.

12. (CURRENTLY AMENDED) The apparatus according to claim 1, wherein said ~~apparatus is configured to perform~~ spatial combination is an alpha blending on said first output data streams stream and said second output data stream.

13. (CURRENTLY AMENDED) A method for processing a plurality of data streams, comprising the steps of:

(A) modifying at least one image from a first input data stream ~~one or more~~ of said data streams to generate ~~provide~~ a first output data stream of said data streams; and

(B) spatially combining said first output data stream and ~~remaining~~ a second output data stream of said data streams to generate a combined output data stream ~~from said data streams~~.

14. (CURRENTLY AMENDED) The method according to claim 13, wherein step (A) further comprises the sub-step of:

converting ~~data~~ an input format of said first input data stream and an output format of said first output data stream between a video data format and a graphics data format.

15. (CURRENTLY AMENDED) The method according to claim 13, wherein (i) said ~~data streams~~ first output data stream comprises ~~includes video and~~ graphics data ~~streams~~, (ii) said second output data stream comprises a plurality of video pictures and (iii) said step (B) further comprises the sub-step of:

spatially placing said graphics data in front of said video pictures.

16. (CURRENTLY AMENDED) The method according to claim 13, wherein step (A) further comprises the sub-step of:

interleaving of color components in each of said images
~~data streams.~~

17. (CURRENTLY AMENDED) The method according to claim 13, wherein step (A) further comprises the sub-step of:

separating of color components in each of said images
~~data streams.~~

18. (CURRENTLY AMENDED) The method according to claim 13, wherein step (A) comprises the sub-steps of:

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scaling each of said images; and

filtering ~~video data~~ each of said images.

19. (CURRENTLY AMENDED) The method according to claim 13, wherein step (B) ~~further~~ comprises the sub-step of:

performing bitwise logical operations on said ~~data~~
~~streams~~ first output data stream and said second output data
5 stream.

20. (CURRENTLY AMENDED) The method according to claim 13, wherein step (B) ~~further~~ comprises the sub-step of:

performing alpha blending on said first output data streams stream and said second output data stream.

21. (NEW) The apparatus according to claim 1, further comprising:

a memory configured to buffer a first data having a first format, a second data having a second format and a third data;

5 a first expander circuit configured to generate said first input data stream having a particular format from said first data;

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Cont a second expander circuit configured to generate said second output data stream having said particular format from said
10 second data; and

a third expander circuit configured to generate a control signal for said spatial combination from said third data.

22. (NEW) An apparatus comprising:

means for generating a first output data stream by modifying at least one image from a first input data stream; and

means for generating a combined output data stream by
5 spatially combining said first output data stream and a second output data stream.
